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From: Wu, Jennifer
Sent: Fri 3/1/2013 6:47:43 PM
Subject: Lunch Date: Sediment Tech approach for Midcoast

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Where: Call-in **Nonresponsive**

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Hi Ryan and Josh (FYI to Dave P, Dave W, and Gene), thanks for taking time out to talk on the technical details on the sediment approach. The draft process map was helpful. Like we talked about on the phone today, we at EPA were interested in understanding better what the gaps are currently in the tech analysis and what the new approach will be do to answer those gaps. The reason we're interested is because we wanted to have a better sense of how much information you think will be needed to fill in those gaps so we're able to better understand and articulate it to others in EPA and NOAA for CZARA and TMDL questions we're getting.

Also, here's a link to the abstract of a 1996 sediment study by Newcombe and Jensen
<[http://www.tandfonline.com/doi/abs/10.1577/1548-8675\(1996\)016%3C0693%3ACSSAFA%3E2.3.CO%3B2](http://www.tandfonline.com/doi/abs/10.1577/1548-8675(1996)016%3C0693%3ACSSAFA%3E2.3.CO%3B2)>. If you want the full article, we have access it to at EPA, and I can pdf it when I'm back in the office on Monday. They reviewed 80 sites and developed an equation that comes up with an instream TSS concentration for varying degrees of fish health. The equation depends on fish type and duration of exposure to TSS. The general trend is that fish can be exposed to high amounts of sediment for short periods of time and vice versa. One can set the level of beneficial fish health attainment from 0 (best) to 14 (lethal) into the equation. It's a pretty general approach, but it's been used as part of the Hangman Creek TMDL in Washington, will be used in some tribs to the Boise River in Idaho, and I'm considering using it in the Clarks Creek TMDL in Washington. If you both want to hear more, we plan to set up a call in the next 1-2 weeks with Joe Joy at Ecology's Env. Assess. Program, who partially used this approach in Hangman Creek.

Thanks, and have a great weekend!
Jenny